

# Converting Colors

$Yxy(55.9937, 0.3822, 0.4063)$

Have a look what the booklet for  
Yxy(55.9937, 0.3822, 0.4063)  
contains.

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# Color

**Yxy(55.9970, 0.3822, 0.4063)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAC482
RGB	218, 196, 130
RGB Percent	85%, 77%, 51%
CMY	0.1452, 0.2313, 0.4902
CMYK	0.00, 0.10, 0.40, 0.15
HSL	45°, 54%, 68%
HSV	45°, 40%, 85%
XYZ	52.6755, 55.9970, 29.1493
YIQ	195.0540, 34.2980, -15.8620

# Conversions

## Conversions Part 2

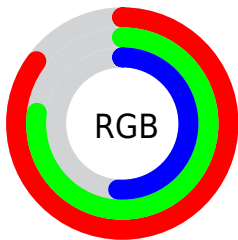
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 218, 130
Decimal	14337154
CIELab	79.61, -1.42, 35.95
CIELCh	80, 35.977, 92.261
Yxy	55.9970, 0.3822, 0.4063
Android (android.graphics.Color)	4292527234 (0xFFDAC482)
YUV	195.0540, -32.0716, 20.1236
Hunter-Lab	74.8311, -5.3039, 29.2863

# Details

The Yxy color **55.9970, 0.3822, 0.4063** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.2458, 0.2430, 0.2369**, and the grayscale version is **54.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3415, 0.3557, 0.3962**, and **27.5919, 0.4002, 0.4249** is the 20% darker color. If you saturate the color by 10%, you get **53.0652, 0.4011, 0.4243**, and if you desaturate by 10%, it is **59.1470, 0.3635, 0.3871**.

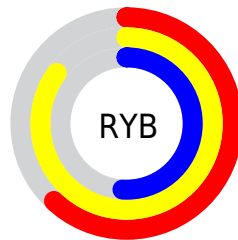
# Distribution



Red (85%)

Green (77%)

Blue (51%)



Red (62%)

Yellow (85%)

Blue (51%)

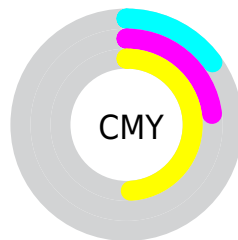


Cyan (0%)

Magenta (10%)

Yellow (40%)

Black (15%)



Cyan (15%)

Magenta (23%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9970, 0.3822, 0.4063 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 55.9970, 0.3822, 0.4063 by changing the saturation by 10% instead.





 55.9970, 0.3822,  
0.4063

 55.9970, 0.3822,  
0.4063


409.6802, 0.3493,  
0.3694

 40.2005, 0.3897,  
0.4148


 99.0002, 0.3707,  
0.3934

 27.6949, 0.3989,  
0.4252


 126.9757, 0.3663,  
0.3884

 18.0958, 0.4103,  
0.4382


 159.7797, 0.3624,  
0.3841

 11.0188, 0.4245,  
0.4546

197.7965, 0.3591,  
0.3804

 6.0795, 0.4420,  
0.4752

241.4105, 0.3562,  
0.3771

 2.8935, 0.4803,  
0.5197

291.0062, 0.3536,

 1.0764, 0.4776,

0.3743

0.5224

346.9680, 0.3513,  
0.3717

0.0000, 0.0000,  
0.0000

55.9970, 0.3822,  
0.4063

55.9970, 0.3822,  
0.4063

53.0652, 0.4011,  
0.4243

59.1470, 0.3635,  
0.3871

50.3348, 0.4194,  
0.4400

62.5154, 0.3456,  
0.3675

47.7989, 0.4364,  
0.4525

66.1125, 0.3288,  
0.3482

45.4463, 0.4513,  
0.4606

69.9452, 0.3132,  
0.3297

43.2641, 0.4632,  
0.4640

74.0204, 0.2991,  
0.3121

■ 41.3006, 0.4722,  
0.4632

■ 77.9666, 0.2896,  
0.3015

■ 81.0179, 0.2898,  
0.3073

■ 84.1644, 0.2900,  
0.3130

■ 87.4067, 0.2902,  
0.3187

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9970, 0.4053, 0.3784



55.9970, 0.3822, 0.4063



55.9970, 0.3412, 0.4142

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.9970, 0.3822, 0.4063



55.9970, 0.2309, 0.3058



55.9970, 0.3261, 0.2744

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.9970, 0.3822, 0.4063



32.2458, 0.2430, 0.2369

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.9970, 0.2794, 0.2565



55.9970, 0.3822, 0.4063



55.9970, 0.2275, 0.2711

# Square

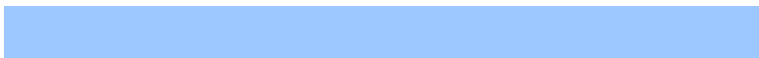
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.9970, 0.3822, 0.4063



55.9970, 0.2545, 0.3521



55.9970, 0.2445, 0.2546



55.9970, 0.3721, 0.3046



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9970, 0.3822, 0.4063



55.9970, 0.3098, 0.4040



55.9970, 0.2445, 0.2546



55.9970, 0.3099, 0.2669

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.9996, 0.3822, 0.4063



93.4080, 0.3316, 0.3515



33.1316, 0.3885, 0.3025



19.8460, 0.3338, 0.3541



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9996, 0.3822, 0.4063



76.4995, 0.3974, 0.4210



63.4709, 0.3552, 0.4349



14.6849, 0.3273, 0.3465



24.9298, 0.4713, 0.4640



1.7483, 0.4610, 0.4721



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.2458, 0.2430, 0.2369



38.4194, 0.2277, 0.2145



27.6990, 0.2560, 0.2112



13.1425, 0.2981, 0.3109



4.7801, 0.1582, 0.0894

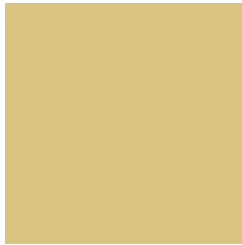


0.4464, 0.1669, 0.1209



# Previews

## White Background



This preview shows how the Yxy color 55.9970, 0.3822, 0.4063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

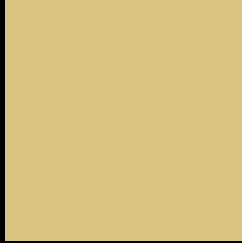
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9970, 0.3822, 0.4063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

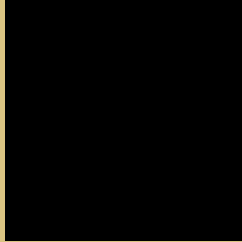
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.9970, 0.3822, 0.4063**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9970, 0.3822, 0.4063.

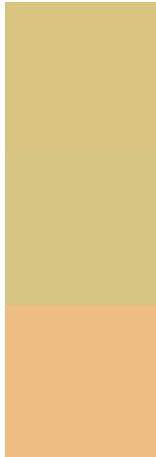


This preview shows how white text looks on a background with the Yxy color 55.9970, 0.3822, 0.4063.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

55.9970, 0.3822, 0.4063

### Protanopia

55.8673, 0.3775, 0.4072

### Deuteranopia

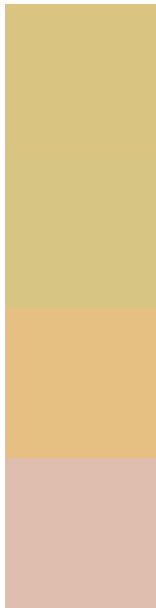
56.0657, 0.4007, 0.3921



## Tritanopia

55.9737, 0.3335, 0.3122

# Trichromacy



## Original Color

55.9970, 0.3822, 0.4063

## Protanomaly

56.0183, 0.3784, 0.4070

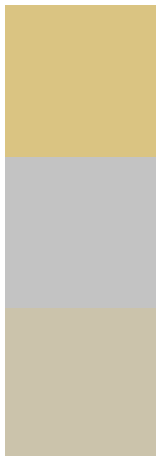
## Deuteranomaly

56.1610, 0.3938, 0.3980

## Tritanomaly

55.6495, 0.3517, 0.3453

# Monochromacy



## Original Color

55.9970, 0.3822, 0.4063

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.6670, 0.3376, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9970, 0.3822, 0.4063 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(218, 196, 130)` looks like.

```
.text, #text, p{  
    color:rgb(218, 196, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 196, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 196, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9970, 0.3822, 0.4063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 196, 130) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 196, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 196, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 196, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 196, 130);  
box-shadow:4px 4px 4px 4px rgb(218, 196,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9970, 0.3822, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 196, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
196, 130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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